

PACING AND ERROR MONITORING OF MANUAL PAGE TURNING OPERATOR

ABSTRACT OF THE DISCLOSURE

Systems and methods for pacing and error monitoring of a manual page turning
5 operator of a system for capturing images of a bound document are disclosed. The
system includes a speaker for playing music having a tempo and a controller for
controlling the tempo based on an imaging rate and/or an error rate. The operator is
influenced by the music tempo to capture images at a given rate. Alternative or in
addition to audio, error detection may be implemented using OCR to determine page
10 numbers to track page sequence and/or a sensor to detect errors such as object intrusion
in the image frame and insufficient light. The operator may be alerted of an error with
audio signals and signaled to turn back a certain number of pages to be recaptured. When
music is played, the tempo can be adjusted in response to the error rate to reduce operator
errors and increase overall throughput of the image capturing system. The tempo may be
15 limited to a maximum tempo based on the maximum image capture rate.